

# JOURNAL OF Neurobiology

## Author Index to Volume 56

- Acebes, A.: see Devaud, J.-M.  
 Akasaka, K.: see Takeda, Y.  
 Aouane, A.: see Malaterre, J.  
 Arrieta, I., Díaz-Ibáñez, L. B., Morales, T., Mendoza-Garcés, L., Morimoto, S., Moreno-Mendoza, N., Cerbón, M. A.: Progesterone Receptor Gene and Protein Expression in the Anterior Preoptic Area and Hypothalamus of Defeminized Rats, 338  
 Asano, M.: see Takeda, Y.  
 Azcoitia, I.: see Veiga, S.  
 Baker, M. W., Kauffman, B., Macagno, E. R., Zipser, B.: *In Vivo* Dynamics of CNS Sensory Arbor Formation: A Time-Lapse Study in the Embryonic Leech, 41  
 Ball, G. F.: see Maney, D. L.  
 Barclay, J. W., Robertson, R. M.: Role for Calcium in Heat Shock-Mediated Synaptic Thermoprotection in *Drosophila Larvae*, 360  
 Bässler, U., Sauer, A. E., Büschges, A.: Vibration Signals from the FT Joint Can Induce Phase Transitions in Both Directions in Motoneuron Pools of the Stick Insect Walking System, 125  
 Bédard, P.-A.: see Campos, C. B. L.  
 Biehlaier, O., Neuhaus, S. C. F., Kohler, K.: Synaptic Plasticity and Functionality at the Cone Terminal of the Developing Zebrafish Retina, 3  
 Brady-Kalnay, S. M.: see Rosdahl, J. A.  
 Buckingham, J.: see Pott, W. M.  
 Büschges, A.: see Bässler, U.  
 Büschges, A.: see Gabriel, J. P.  
 Campos, C. B. L., Bédard, P.-A., Linden, R.: Selective Involvement of the PI3K/PKB/Bad Pathway in Retinal Cell Death, 171  
 Carpenter, E. M.: see Lin, A. W.  
 Cayre, M.: see Malaterre, J.  
 Cerbón, M. A.: see Arrieta, I.  
 Chadaram, S. R., Laskowski, M. B.: Denervation and Age Modify Neuromuscular Positional Selectivity, 349  
 Devaud, J.-M., Acebes, A., Ramaswami, M., Ferrús, A.: Structural and Functional Changes in the Olfactory Pathway of Adult *Drosophila* Take Place at a Critical Age, 13  
 Devaud, J.-M., Keane, J., Ferrús, A.: Blocking Sensory Inputs to Identified Antennal Glomeruli Selectively Modifies Odorant Perception in *Drosophila*, 1  
 Díaz-Ibáñez, L. B.: see Arrieta, I.  
 DonCarlos, L. L.: see Nuñez, J. L.  
 Ensslen, S. E.: see Rosdahl, J. A.  
 Fargo, K. N., Foster, A. M., Harty, M. W., Sengelaub, D. R.: Estrogen Alters Excitability But Not Morphology Sexually Dimorphic Neuromuscular System in Adult Rats, 66  
 Fenstermaker, V. L.: see Konur, S.  
 Ferrús, A.: see Devaud, J.-M.  
 Foster, A. M.: see Fargo, K. N.  
 Gabriel, J. P., Scharstein, H., Schmidt, J., Büschges, A.: Control of Flexor Motoneuron Activity during Single Leg Walking of the Stick Insect on an Electronically Controlled Treadwheel, 4  
 Gahr, M.: see  
 Garcia-Segura, L. M.: see Veiga, S.  
 Halle, F., Gahr, M., Kreutzer, M.: Effects of Unilateral Lesions of HVC on Song Patterns of Male Domesticated Canaries, 303  
 Harty, M. W.: see Fargo, K. N.  
 Hashimoto, K.: see Takeda, Y.  
 Haspel, G., Rosenberg, L. A., Libersat, F.: Direct Injection of Venom by a Predatory Wasp into Cockroach Brain, 8  
 Hobert, O.: see Tsalik, E. L.  
 Ho-Pao, C. L.: see Leamey, C. A.  
 Houseweart, M. K., Pennacchio, L. A., Vilaythong, A., Peters, C., Noebels, J. L., Myers, R. M.: Cathepsin B but Not Cathepsins L or S Contributes to the Pathogenesis of Unverricht-Lundborg Progressive Myoclonus Epilepsy (EPM1), 315  
 Howard, C. T.: see Pott, W. M.  
 Hu, J.-Y.: see Liu, K.  
 Huppenbauer, C. B.: see Nuñez, J. L.  
 Inlow, M.: see Pott, W. M.  
 Iwakura, Y.: see Takeda, Y.  
 Johnson, F.: see Whitney, O.  
 Juraska, J. M.: see Nuñez, J. L.  
 Kano, M.: see Takeda, Y.  
 Kauffman, B.: see Baker, M. W.  
 Kawano, H.: see Takeda, Y.  
 Keane, J.: see Devaud, J.-M.  
 Khalil, M. H., Silverman, A.-J., Silver, R.: Mast Cells in the Rat Brain Synthesize Gonadotropin-Releasing Hormone, 113  
 Kirk, M. D.: see Vanmali, B. H.  
 Kobayashi, S.: see Takeda, Y.  
 Kohler, K.: see Biehlaier, O.  
 Konur, S., Rabinowitz, D., Fenstermaker, V. L., Yuste, R.: Systematic Regulation of Spine Sizes and Densities in Pyramidal Neurons, 95  
 Kreutzer, M.: see

- Laskowski, M. B.: see Chadaram, S. R.  
 Leamey, C. A., Ho-Pao, C. L., Sur, M.: Role of Calcineurin in Activity-Dependent Pattern Formation in the Dorsal Lateral Geniculate Nucleus of the Ferret, 153  
 Lee, S.: see Takeda, Y.  
 Libersat, F.: see Haspel, G.  
 Lin, A. W., Carpenter, E. M.: *Hoxa10* and *Hoxd10* Coordinate Regulate Lumbar Motor Neuron Patterning, 328  
 Linden, R.: see Campos, C. B. L.  
 Liu, K., Hu, J.-Y., Wang, D., Schacher, S.: Protein Synthesis at Synapse versus Cell Body: Enhanced but Transient Expression of Long-Term Facilitation at Isolated Synapses, 7  
 Macagno, E. R.: see Baker, M. W.  
 Malaterre, J., Strambi, C., Aouane, A., Strambi, A., Rougon, G., Cayre, M.: Effect of Hormones and Growth Factors on the Proliferation of Adult Cricket Neural Progenitor Cells *In Vitro*, 387  
 Maney, D. L., Ball, G. F.: Fos-Like Immunoreactivity in Catecholaminergic Brain Nuclei after Territorial Behavior in Free-Living Song Sparrows, 163  
 Marion-Poll, F.: see Meunier, N.  
 Maruniak, J.: see Vanmaili, B. H.  
 McAbee, M. D.: see Nuñez, J. L.  
 Mendoza-Garcés, L.: see Arrieta, I.  
 Messner, M. C.: see Vanmaili, B. H.  
 Meunier, N., Marion-Poll, F., Rospars, J.-P., Tanimura, T.: Peripheral Coding of Bitter Taste in *Drosophila*, 139  
 Morales, T.: see Arrieta, I.  
 Moreno-Mendoza, N.: see Arrieta, I.  
 Morimoto, S.: see Arrieta, I.  
 Murayama, S.: see Takeda, Y.  
 Myers, R. M.: see Houseweart, M. K.  
 Neuhaus, S. C. F.: see Biehlmaier, O.  
 Niedenthal, J. A.: see Rosdahl, J. A.  
 Noebels, J. L.: see Houseweart, M. K.  
 Nuñez, J. L., Huppenbauer, C. B., McAbee, M. D., Juraska, J. M., DonCarlos, L. L.: Androgen Receptor Expression in the Developing Male and Female Rat Visual and Prefrontal Cortex, 9  
 Oland, L. A., Pott, W. M., Howard, C. T., Inlow, M., Buckingham, J.: A Diffusible Signal Attracts Olfactory Sensory Axons toward Their Target in the Developing Brain of the Moth, 24  
 Peabody, C.: see Veney, S. L.  
 Pennacchio, L. A.: see Houseweart, M. K.  
 Peters, C.: see Houseweart, M. K.  
 Rabinowitz, D.: see Konur, S.  
 Ramaswami, M.: see Devaud, J.-M.  
 Robertson, R. M.: see Barclay, J. W.  
 Romanova, E. V.: see Vanmaili, B. H.  
 Rosdahl, J. A., Ensslen, S. E., Niedenthal, J. A., Brady-Kalnay, S. M.: PTP $\mu$ -Dependent Growth Cone Rearrangement Is Regulated by Cdc42, 1  
 Rosenberg, L. A.: see Haspel, G.  
 Rospars, J.-P.: see Meunier, N.  
 Rougon, G.: see Malaterre, J.  
 Saldanha, C. J.: see Soma, K. K.  
 Sauer, A. E.: see Bässler, U.  
 Schacher, S.: see Liu, K.  
 Scharstein, H.: see Gabriel, J. P.  
 Schlenger, B. A.: see Soma, K. K.  
 Schmidt, J.: see Gabriel, J. P.  
 Sengelaub, D. R.: see Fargo, K. N.  
 Silver, R.: see Khalil, M. H.  
 Silverman, A.-J.: see Khalil, M. H.  
 Simmons, D.: see Wilczynski, W.  
 Singh, M.: see Vanmaili, B. H.  
 Smith, G. W.: see Veney, S. L.  
 Soderstrom, K.: see Whitney, O.  
 Soma, K. K., Schlenger, B. A., Wingfield, J. C., Saldanha, C. J.: Brain Aromatase, 5 $\alpha$ -Reductase, and 5 $\beta$ -Reductase Change Seasonally in Wild Male Song Sparrows: Relationship to Aggressive and Sexual Behavior, 2  
 Strambi, A.: see Malaterre, J.  
 Strambi, C.: see Malaterre, J.  
 Sudo, K.: see Takeda, Y.  
 Sur, M.: see Leamey, C. A.  
 Sweedler, J.: see Vanmaili, B. H.  
 Takahashi, N.: see Takeda, Y.  
 Takeda, Y., Akasaka, K., Lee, S., Kobayashi, S., Kawano, H., Murayama, S., Takahashi, N., Hashimoto, K., Kano, M., Asano, M., Sudo, K., Iwakura, Y., Watanabe, K.: Impaired Motor Coordination in Mice Lacking Neural Recognition Molecule NB-3 of the Contactin/F3 Subgroup, 5  
 Tanimura, T.: see Meunier, N.  
 Tsalik, E. L., Hobert, O.: Functional Mapping of Neurons That Control Locomotory Behavior in *Caenorhabditis elegans*, 178  
 Vanmaili, B. H., Romanova, E. V., Messner, M. C., Singh, M., Maruniak, J., Sweedler, J., Kirk, M. D.: Endogenous Neurotrophic Factors Enhance Neurite Growth by Bag Cell Neurons of *Aplysia*, 78  
 Veiga, S., Garcia-Segura, L. M., Azcoitia, I.: Neuroprotection by the Steroids Pregnenolone and Dehydroepiandrosterone Is Mediated by the Enzyme Aromatase, 398  
 Veney, S. L., Peabody, C., Smith, G. W., Wade, J.: Sexually Dimorphic Neurocalcin Expression in the Developing Zebra Finch Telencephalon, 372  
 Vilaythong, A.: see Houseweart, M. K.  
 Wade, J.: see Veney, S. L.  
 Wang, D.: see Liu, K.  
 Watanabe, K.: see Takeda, Y.  
 Whitney, O., Soderstrom, K., Johnson, F.: CB1 Cannabinoid Receptor Activation Inhibits a Neural Correlate of Song Recognition in an Auditory/Perceptual Region of the Zebra Finch Telencephalon, 6  
 Wilczynski, W., Yang, E.-J., Simmons, D.: Sex Differences and Hormone Influences on Tyrosine Hydroxylase Immunoreactive Cells in the Leopard Frog, 54  
 Wingfield, J. C.: see Soma, K. K.  
 Yang, E.-J.: see Wilczynski, W.  
 Yuste, R.: see Konur, S.  
 Zipser, B.: see Baker, M. W.

# JOURNAL OF Neurobiology

## Subject Index to Volume 56

- Adult neurogenesis, 387  
Aggression, 163  
Akt, 171  
Amphibians, 54  
*Ampulex compressa*, 8  
Amygdala, 2  
Androgens, 54  
Antennal lobe, 13  
*Aplysia*, 7  
Apoptosis, 171, 315  
Artery, 78  
Ataxia, 315  
Auditory perception, 6  
Axon guidance, 349
- Bcl-2 family, 171  
Birdsong, 303  
Bitter compounds, 139  
Brain differentiation, 338
- C. elegans*, 178  
Calcium, 360  
Calcium binding, 372  
cAMP, 13, 171  
Canary, 163, 303  
Catecholamine, 54  
Cathepsin, 315  
CB1 cannabinoid receptor, 6  
Cdc42, 1  
Cell culture, 7  
Cell death, 9, 315  
Central complex, 8  
Cerebellum, 5  
Circuit, 178  
Cortex, 95  
Cystatin B, 315
- Defasciculation, 41  
Defeminization, 338  
Degranulation, 113  
Dendrite, 95  
Denervation, 349  
Development, 3, 153  
DHEA, 2  
Differential display, 372  
*Drosophila*, 1, 139, 360
- Electrophysiology, 139  
Endocrine, 113
- EPM1, 315  
Estradiol, 2, 338, 398  
Estrogen, 2, 66  
Estrogens, 54
- Fadrozole, 398  
Female preferences, 303  
Filopodia, 41  
FK506, 153  
Flexor motoneurons, 4
- Glomeruli, 1, 13  
Golgi, 95  
Growth cone, 41  
Growth cone rearrangement, 1  
Growth factors, 78
- Heat shock, 360  
Hippocampus, 95  
Hormones, 387  
*Hox*, 328  
HVC, 163  
HVC, 303  
Hypothalamus, 2
- IGF-I, 387  
Immediate early gene, 6  
Immunoglobulin superfamily, 5  
Insect, 24, 387  
Insulin, 387  
Interjoint coordination, 125  
Interneuron, 178  
Invertebrate, 78
- Knockout, 5
- Lateralization, 303  
Lesions, 303  
Limbic system, 2  
Load processing, 4  
Locomotion, 125  
Locomotor behavior, 178  
Long-term plasticity, 7  
LTP, 95  
Lumbar motor column, 328  
Lysosome, 315
- Manduca sexta*, 24  
Mapping, 178  
Median eminence, 113  
Motoneuron, 66  
Motoneuron recruitment, 4  
Motor coordination, 5  
Motor neuron, 328  
Motor neurons, 349  
Mushroom bodies, 8
- NB-3, 5  
NCM, 6  
Neural development, 372  
Neural progenitor cell, 387  
Neurite growth, 78  
Neuromodulation, 113  
Neuromuscular junctions, 66  
Neuronal death, 398  
Neuroprotection, 398  
Neurosteroids, 398  
Neurotoxins, 8  
Nucleus taeniae, 2
- Olfaction, 1, 13, 24
- Pattern generation, 125  
Patterning, 328  
Phosphorylation, 171  
Photoreceptor synapse, 3  
Plasticity, 95  
Polyamines, 387  
Prefrontal cortex, 9  
Progesterone receptor, 338  
Programmed cell death, 171  
Progressive myoclonus epilepsy, 315  
Protein phosphatase 2B, 153  
Protein synthesis, 7  
PTP $\mu$ , 1
- Receptor protein tyrosine phosphatase, 1  
Reproduction, 2  
Retina, 3, 171
- Sensorin, 7  
Sensory coding, 1  
Sensory neuron, 178  
Sensory neurons, 7  
Sex difference, 372

- Sex differences, 9
- Sex dimorphism, 54
- Sexual differentiation, 338
- Sexual dimorphism, 66
- Sheath, 78
- Signal transduction, 1
- Songbird, 2, 6, 163, 372
- Spikes sorting, 139
- Spinal cord, 66, 328
- Spinules, 3
- Sprouting, 41
- Stefin B, 315
- Stick insect, 4
- Stinging behavior, 8
- Subesophageal ganglion, 8
- Synapse, 13
- Synaptic plasticity, 360
- Synaptic plasticity, 3, 153
- Taste neurons, 139
- Testosterone, 2
- Tetanus toxin, 1
- Thalamus, 113
- Thermotolerance, 360
- Time-lapse, 41
- Topography, 349
- Treadwheel, 4
- Tyrosine hydroxylase, 163
- Unverricht Lundborg, 315
- Ventral tegmental area, 163
- Visual cortex, 9
- Visual thalamus, 153
- Walking, 125
- Zebrafish, 3
- Zenk, 6

